

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 10/533,976
Source: P4
Date Processed by STIC: 2/21/06

ENTERED



PCT

RAW SEQUENCE LISTING

DATE: 02/21/2006

PATENT APPLICATION: US/10/533,976

TIME: 12:50:46

Input Set : A:\21108.0025U2.TXT

Output Set: N:\CRF4\02212006\J533976.raw

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4 <110> APPLICANT: Jeffrey W. Streb
5      Joseph M. Miano
7 <120> TITLE OF INVENTION: RECOMBINASE MEDIATED TRANSCRIPTION
10 <130> FILE REFERENCE: 21108.0025U2
12 <140> CURRENT APPLICATION NUMBER: 10/533,976
-> 13 <141> CURRENT FILING DATE: 2005-05-05
15 <150> PRIOR APPLICATION NUMBER: PCT/US03/035645
16 <151> PRIOR FILING DATE: 2003-11-07
18 <150> PRIOR APPLICATION NUMBER: 60/425,111
19 <151> PRIOR FILING DATE: 2002-11-07
21 <160> NUMBER OF SEQ ID NOS: 14
23 <170> SOFTWARE: FastSEQ for Windows Version 4.0
25 <210> SEQ ID NO: 1
26 <211> LENGTH: 34
27 <212> TYPE: DNA
28 <213> ORGANISM: Artificial Sequence
30 <220> FEATURE:
31 <223> OTHER INFORMATION: Description of Artificial Sequence; note=synthetic
32      construct
34 <400> SEQUENCE: 1
35 ataacttcgt ataatgtatg ctatacgaag ttat
37 <210> SEQ ID NO: 2
38 <211> LENGTH: 19
39 <212> TYPE: DNA
40 <213> ORGANISM: Artificial Sequence
42 <220> FEATURE:
43 <223> OTHER INFORMATION: Description of Artificial Sequence; note=synthetic
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46 <400> SEQUENCE: 2
47 cttaccgtaa cttgaaagt
49 <210> SEQ ID NO: 3
50 <211> LENGTH: 14
51 <212> TYPE: DNA
52 <213> ORGANISM: Artificial Sequence
54 <220> FEATURE:
55 <223> OTHER INFORMATION: Description of Artificial Sequence; note=synthetic
56      construct
58 <400> SEQUENCE: 3
59 ttttttcggt tttt
61 <210> SEQ ID NO: 4
62 <211> LENGTH: 352
63 <212> TYPE: DNA
64 <213> ORGANISM: Artificial Sequence

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66 <220> FEATURE:
67 <223> OTHER INFORMATION: Description of Artificial Sequence; note=synthetic
68     construct
70 <400> SEQUENCE: 4
71 gagggcctat ttcccatgat tccttcatat ttgcatatac gatacaaggc tgttagagag      60
72 ataattggaa ttaatttgac tgtaaacaca aagatattag tacaaaatac gtgacgtaga      120
73 aagtaataat ttcttgggta gtttgcagtt ttaaaattat gttttaaaat ggactatcat      180
74 atgcttaccg taacttgaaa gtatttcgat ttcttggcct tatatataac ttcgtataat      240
75 gtatgctata cgaagttatc cgtttttctc ttttttctcc agcccgggaa gatctataac      300
76 ttcgtataat gtatgctata cgaagttatc cggcccatc ctctcggat cc                352
78 <210> SEQ ID NO: 5
79 <211> LENGTH: 369
80 <212> TYPE: DNA
81 <213> ORGANISM: Artificial Sequence
83 <220> FEATURE:
84 <223> OTHER INFORMATION: Description of Artificial Sequence; note=synthetic
85     construct
87 <400> SEQUENCE: 5
88 gagggcctat ttcccatgat tccttcatat ttgcatatac gatacaaggc tgttagagag      60
89 ataattggaa ttaatttgac tgtaaacaca aagatattag tacaaaatac gtgacgtaga      120
90 aagtaataat ttcttgggta gtttgcagtt ttaaaattat gttttaaaat ggactatcat      180
91 atgcttaccg taacttgaaa gtatttcata acttcgtata tatatatcta tacgaagtta      240
92 tgaaacaccg ttttttcgtt ttttctccag cccgggaaga tctataactt cgtatatata      300
93 tatctatacg aagttatgaa acaccggccc attcctcctc ggatccaagg gtgggcgcgc      360
94 cgaccacgc                                369
96 <210> SEQ ID NO: 6
97 <211> LENGTH: 365
98 <212> TYPE: DNA
99 <213> ORGANISM: Artificial Sequence
101 <220> FEATURE:
102 <223> OTHER INFORMATION: Description of Artificial Sequence; note=synthetic
103     construct
105 <400> SEQUENCE: 6
106 gagggcctat ttcccatgat tccttcatat ttgcatatac gatacaaggc tgttagagag      60
107 ataattggaa ttaatttgac tgtaaacaca aagatattag tacaaaatac gtgacgtaga      120
108 aagtaataat ttcttgggta gtttgcagtt ttaaaattat gttttaaaat ggactatcat      180
109 atgcttaccg taacttgaaa gtatttcgat tataacttcg tatatagtat gctatacgaa      240
110 gttatcaccg ttttttcgtt ttttctccag cccgggaaga tctataactt cgtatatagt      300
111 atgctatacg aagttatcac cggcccatc ctctcggat ccaagggtgg gcgcgccgac      360
112 ccagc                                365
114 <210> SEQ ID NO: 7
115 <211> LENGTH: 370
116 <212> TYPE: DNA
117 <213> ORGANISM: Artificial Sequence
119 <220> FEATURE:
120 <223> OTHER INFORMATION: Description of Artificial Sequence; note=synthetic
121     construct
123 <400> SEQUENCE: 7
124 gagggcctat ttcccatgat tccttcatat ttgcatatac gatacaaggc tgttagagag      60

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125 ataattggaa ttaatttgac tgtaaacaca aagatattag tacaaaaatac gtgacgtaga      120
126 aagtaataat ttcttgggta gtttgcagtt ttaaaattat gttttaaaat ggactatcat      180
127 atgcttaccg taacttgaaa gtatttataa cttcgtatag tatatattat acgaagttat      240
128 ggaaacaccg ttttttcggt ttttctccag cccgggaaga tctataactt cgtatagtat      300
129 atattatacg aagttatgga aacaccggcc cattcctcct cggatccaag ggtgggcgcg      360
130 ccgaccagc                                     370
132 <210> SEQ ID NO: 8
133 <211> LENGTH: 369
134 <212> TYPE: DNA
135 <213> ORGANISM: Artificial Sequence
137 <220> FEATURE:
138 <223> OTHER INFORMATION: Description of Artificial Sequence; note=synthetic
139      construct
141 <400> SEQUENCE: 8
142 gagggcctat ttcccatgat tccttcatat ttgcatatac gatacaaggc tgtagagag      60
143 ataattggaa ttaatttgac tgtaaacaca aagatattag tacaaaaatac gtgacgtaga      120
144 aagtaataat ttcttgggta gtttgcagtt ttaaaattat gttttaaaat ggactatcat      180
145 atgcttaccg taacttgaaa gtatttctac cgttcgtata tatatatcta tacgaagtta      240
146 tgaaacaccg ttttttcggt ttttctccag cccgggaaga tctataactt cgtatatata      300
147 tatctatacg aacggtagaa acaccggccc attcctcctc ggatccaagg gtgggcgcgc      360
148 cgaccagc                                     369
150 <210> SEQ ID NO: 9
151 <211> LENGTH: 464
152 <212> TYPE: DNA
153 <213> ORGANISM: Artificial Sequence
155 <220> FEATURE:
156 <223> OTHER INFORMATION: Description of Artificial Sequence; note=synthetic
157      construct
159 <400> SEQUENCE: 9
160 aaggctcggc aggaagaggg cctatttccc atgattcctt catatttgca tatacgatac      60
161 aaggctgtta gagagataat tagaattaat ttgactgtaa acacaaagat attagtacaa      120
162 aatacgtgac gtagaaagta ataatttctt gggtagtttg cagtttttaa aattatgttt      180
163 taaaatggac tatcatatgc ttaccgtaac ttgaaagtat ttcgatttct tggctttata      240
164 tatcttgtgg aaaggacgaa acaccgtgct cgcttcggca gcacatatac taaaattgga      300
165 acgatacaga gaagattagc atggcccctg cgcaaggatg acacgcaaat tcgtgaagcg      360
166 ttccatattt ttacatcagg ttgtttttct gtttttacat caggttggtt ttctgtttgg      420
167 tttttttttt acaccacgtt tatacgccgg tgcacggttt acca                        464
169 <210> SEQ ID NO: 10
170 <211> LENGTH: 707
171 <212> TYPE: DNA
172 <213> ORGANISM: Artificial Sequence
174 <220> FEATURE:
175 <223> OTHER INFORMATION: Description of Artificial Sequence; note=synthetic
176      construct
178 <400> SEQUENCE: 10
179 gatccgacgc cgccatctct agggccgcgc cggccccctc gcacagactt gtgggagaag      60
180 ctccgtact cccctgcccc ggttaatttg catataatat ttctagtaa ctatagaggc      120
181 ttaatgtgcg ataaaagaca gataatctgt tctttttaat actagctaca ttttacatga      180
182 taggcttggg tttctataag agatacaaat actaaattat tattttaaaa aacagcacia      240

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183 aaggaaactc accctaactg taaagtaatt gtgtgttttg agactataaa tatcccttgg      300
184 agaaaagcct tgtttgct cgcttcggca gcacatatac taaaattgga acgatacaga      360
185 gaagattagc atggccctg cgcaaggatg acacgcaa atcgtaagcg ttccatattt      420
186 tgttcctcag aggaactgac aagcacccta acatcctatt ggaggctcac tcacgttttt      480
187 tctattttgt ttcttgacag cagagctcgt tgctcactgt atagctcagg ttggcctgac      540
188 actgatgagg ttctccagt actgcctcta cctacctact gggatgacag aggtgtacca      600
189 ccaagccacg ggctcctgtg tgagtgtgtg tgtgtgtgta taagtgtgcc ttccacagtg      660
190 cacgtaagag gacaaggagt tggttcttgc tctcagatca tcaagct      707
192 <210> SEQ ID NO: 11
193 <211> LENGTH: 523
194 <212> TYPE: DNA
195 <213> ORGANISM: Artificial Sequence
197 <220> FEATURE:
198 <223> OTHER INFORMATION: Description of Artificial Sequence; note=synthetic
199     construct
201 <400> SEQUENCE: 11
202 tttaaactta gaacgaagcg agtataaaaa ggattattta accctaaac ggattcagga      60
203 tttgttataa tatcaagtac agtcggctac ataaggtcac cacatgtgta aagttacaaa      120
204 attctatggc cttatatacc taccaagagc ctgagtactc tcggatgtga gggcgatctg      180
205 gctgcgacat ctgtcacccc attgatcgcc aggggtgatt cggctgatct ggctggctag      240
206 gcgggtgtcc ccttcctccc tcaccgctcc atgtgcgtcc ctcccgaagc tgcgcgctcg      300
207 gtcgaagagg acgaccttcc ccgaatagag gaggaccggt cttcgggtcaa ggggtatacga      360
208 gtagctgcgc tcctctgcta gaacctccaa acaagctctc aagggtccatt gtaggagaac      420
209 gtagggtagt caagcttcca agactccaga cacatccaaa tgaggcgctg catgtggcag      480
210 tctgctttct tttgtagttc ctgcaattta attttcgttt aaa      523
212 <210> SEQ ID NO: 12
213 <211> LENGTH: 497
214 <212> TYPE: DNA
215 <213> ORGANISM: Artificial Sequence
217 <220> FEATURE:
218 <223> OTHER INFORMATION: Description of Artificial Sequence; note=synthetic
219     construct
221 <400> SEQUENCE: 12
222 atttgcatgt cgctatgtgt tctgggaaat caccataaac gtgaaatgtc tttggatttg      60
223 ggaatcttat aagttctgta tgagaccact ctttcccata gggcggaggg aagctcatca      120
224 gtggggccac gagctgagtg cgtcctgtca ctccactccc atgtcccttg ggaaggctctg      180
225 agactagggc cagaggcggc cctaacaggg ctctccctga gcttcaggga ggtgagttcc      240
226 cagagaacgg ggctccgcgc gaggtcagac tgggcaggag atgccgtgga ccccgccctt      300
227 cggggagggg cccggcggat gcctccttg ccggagcttg gaacagactc acggccagcg      360
228 aagtgagttc aatggctgag gtgaggtacc ccgcagggga cctcataacc caattcagac      420
229 cactctcttc cgccatttt tggaaaaaaa aaaaaaaaaa aaaaacaaaa cgaaaccggg      480
230 ccgggcgcgg tggttca      497
232 <210> SEQ ID NO: 13
233 <211> LENGTH: 266
234 <212> TYPE: DNA
235 <213> ORGANISM: Artificial Sequence
237 <220> FEATURE:
238 <223> OTHER INFORMATION: Description of Artificial Sequence; note=synthetic
239     construct

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241 <400> SEQUENCE: 13
242 aaggctcgggc aggaagaggg cctatttccc atgattcctt catatttgca tatacgatac 60
243 aaggctgtta gagagataat tagaattaat ttgactgtaa acacaaagat attagtacaa 120
244 aatacgtgac gtagaaagta ataatttctt gggtagtttg cagtttttaa aattatgttt 180
245 taaaatggac tatcatatgc ttaccgtaac ttgaaagtat ttcgatttct tggctttata 240
246 tatcttgtgg aaaggacgaa acaccg 266
248 <210> SEQ ID NO: 14
249 <211> LENGTH: 374
250 <212> TYPE: DNA
251 <213> ORGANISM: Artificial Sequence
253 <220> FEATURE:
254 <223> OTHER INFORMATION: Description of Artificial Sequence; note=synthetic
255 construct
257 <400> SEQUENCE: 14
258 ttatagggag ctgaagggaa gggggtcaca gtaggtggca tcgttccttt ctgactgcc 60
259 gcccccgca tgccgtcccg cgatattgag ctccgaacct ctcgccctgc cgccgccggt 120
260 gctccgtcgc cgccgcgcgc ccatggaatt cgaacgctga cgtcatcaac ccgctccaag 180
261 gaatcgcggg ccagtggtca ctaggcggga acaccagcg cgcgtgcgcc ctggcaggaa 240
262 gatggctgtg agggacaggg gagtggcgcc ctgcaatatt tgcattgtgc tatgtgttct 300
263 gggaaatcac cataaacgtg aaatgtcttt ggatttggga atcttataag ttctgtatga 360
264 gaccactctt tccc 374

VERIFICATION SUMMARY

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13 M:271 C: Current Filing Date differs, Replaced Current Filing Date